

## EAST Search History

| Ref # | Hits | Search Query                                                                                                                                                | DBs                                                     | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|---------|------------------|
| S1    | 1056 | 349/43                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/29 08:52 |
| S2    | 1211 | 349/143                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 10:50 |
| S3    | 669  | 349/187                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 10:51 |
| S4    | 1545 | pixel with (amorphous or polycrystal)                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 15:27 |
| S5    | 1059 | (pixel with (amorphous or polycrystal))<br>and thick\$5                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2003/03/13 08:50 |
| S6    | 744  | (pixel with (amorphous or polycrystal))<br>and thick\$5 and (thermal\$4 or<br>temperature)                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 10:52 |
| S7    | 0    | (pixel with (amorphous or polycrystal))<br>and (thick\$5 with galvanic) and<br>(thermal\$4 or temperature)                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2003/03/13 08:56 |
| S8    | 412  | (pixel with (amorphous or polycrystal))<br>and thick\$5 and (thermal\$4 or<br>temperature) and (H2 or hydrogen or<br>H2O or water)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 10:52 |
| S9    | 367  | (pixel with (amorphous or polycrystal))<br>and thick\$5 and (thermal\$4 or<br>temperature) and (H2 or hydrogen or<br>H2O or water) and (liquid adj crystal) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2003/03/13 09:00 |

## EAST Search History

|     |     |                                                                                                                                                            |                                                         |    |    |                  |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S10 | 90  | (pixel with (amorphous or polycrystal)) and thick\$5 and (thermal\$4 or temperature) and (H2 or hydrogen or H2O or water) and (liquid adj crystal) and pad | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:53 |
| S11 | 186 | (pixel with (amorphous or polycrystal))and 349/43                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:55 |
| S12 | 153 | (pixel with (amorphous or polycrystal))and 349/43 and thick\$4                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2003/03/13 10:59 |
| S13 | 47  | (pixel with (amorphous or polycrystal))and 349/143 and thick\$4                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:56 |
| S14 | 26  | (pixel with (amorphous or polycrystal))and 349/187 and thick\$4                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:56 |
| S15 | 410 | (pixel with (amorphous or polycrystal))and "349"/\$.ccls. and thick\$4                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2003/03/13 10:59 |
| S16 | 891 | (pixel with (amorphous or polycrystal))and (liquid adj crystal) and thick\$4                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2003/03/13 11:00 |
| S17 | 43  | (pixel with (amorphous or polycrystal) with (ITO or IZO))and (liquid adj crystal) and (pixel with thick\$4)                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:54 |
| S18 | 1   | (pixel with (amorphous or polycrystal))and (liquid adj crystal) and (pixel with thick\$4) and US-20010010370-A1.DID.                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2003/03/13 15:50 |

## EAST Search History

|     |        |                                                                                                                                                                                                                                          |                                                         |    |     |                  |
|-----|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|-----|------------------|
| S19 | 1      | (pixel with (amorphous or polycrystal))and (liquid adj crystal) and (pixel with thick\$4) and (US-20010019376-A1.DID. and ((pixel with (amorphous or polycrystal) with (ITO or IZO))and (liquid adj crystal) and (pixel with thick\$4))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/03/13 15:51 |
| S20 | 1      | (pixel with (amorphous or polycrystal))and (liquid adj crystal) and (pixel with thick\$4) and US-20010019376-A1.DID.                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/03/13 15:51 |
| S21 | 2      | (pixel with (amorphous or polycrystal)) and (thick\$5 same galvanic) and (thermal\$4 or temperature)                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/03/15 15:37 |
| S22 | 324    | (pixel with (amorphous or polycrystal))and (liquid adj crystal) and (pixel with thick\$4)                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/01/27 17:12 |
| S23 | 18     | (pixel with polycrystal)and (liquid adj crystal) and (pixel with thick\$4)                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/03/13 16:07 |
| S24 | 45     | ((pixel with amorphous) with (ITO or IZO))and (liquid adj crystal) and (pixel with thick\$4)                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/07/23 15:03 |
| S25 | 66     | (pixel with (amorphous))and 349/143                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/07/23 17:48 |
| S26 | 137    | (pixel with (amorphous) with (ITO or IZO))and (liquid adj crystal)                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2003/07/23 17:56 |
| S27 | 691253 | (material for pixel electrode of LCD and etching method thereof).ti.                                                                                                                                                                     | US-PGPUB;<br>USPAT                                      | OR | OFF | 2003/07/24 09:02 |
| S28 | 31568  | (material for pixel electrode of LCD and etching method thereof).ti. and amorphous                                                                                                                                                       | US-PGPUB;<br>USPAT                                      | OR | OFF | 2003/07/24 09:14 |
| S29 | 234    | (material for pixel electrode of LCD and etching method thereof).ti. and amorphous and IZO and ITO                                                                                                                                       | US-PGPUB;<br>USPAT                                      | OR | OFF | 2004/08/12 11:03 |

## EAST Search History

|     |     |                                                                                                                |                                             |    |     |                  |
|-----|-----|----------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|------------------|
| S30 | 23  | (material for pixel electrode of LCD and etching method thereof).ti. and amorphous and IZO and ITO and LG. as. | US-PGPUB; USPAT                             | OR | OFF | 2004/03/15 15:35 |
| S31 | 1   | "20020085142".pn.                                                                                              | US-PGPUB                                    | OR | ON  | 2003/12/05 16:23 |
| S32 | 236 | (pixel with (amorphous or polycrystal))and 349/43                                                              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2003/12/08 15:56 |
| S33 | 236 | (pixel with (amorphous or polycrystal))and 349/43                                                              | US-PGPUB; USPAT; JPO                        | OR | ON  | 2003/12/08 15:56 |
| S34 | 70  | (pixel with (amorphous or polycrystal))and 349/143                                                             | US-PGPUB; USPAT; JPO                        | OR | ON  | 2003/12/08 15:56 |
| S35 | 39  | (pixel with (amorphous or polycrystal))and 349/187                                                             | US-PGPUB; USPAT; JPO                        | OR | ON  | 2003/12/08 15:56 |
| S36 | 349 | (material for pixel electrode of LCD and etching method thereof).ti. and amorphous and IZO and ITO             | US-PGPUB; USPAT; JPO                        | OR | OFF | 2004/03/15 15:36 |
| S37 | 0   | ((pixel with (amorphous or polycrystal)) near10 galvanic) and (Drain near10 single)                            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/03/15 15:39 |
| S38 | 2   | ((pixel with (amorphous or polycrystal)) and galvanic) and (Drain near10 single)                               | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 15:39 |
| S39 | 2   | ((pixel with (amorphous or polycrystal)) and galvanic) and (Drain with single)                                 | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 15:55 |
| S40 | 2   | ((pixel near10 (amorphous or polycrystal)) and galvanic) and (Drain with single)                               | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 15:57 |
| S41 | 2   | ((pixel near10 (amorphous or polycrystal)) and galvanic) and (Drain near10 single)                             | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 15:57 |
| S42 | 2   | (pixel near10 (amorphous or polycrystal)) and galvanic and (Drain near10 single)                               | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 15:58 |
| S43 | 86  | (pixel near10 (amorphous or polycrystal)) and (Drain near10 single)                                            | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 16:22 |
| S44 | 6   | (pixel and (amorphous or polycrystal)) and (Drain near10 single) and galvanic                                  | US-PGPUB; USPAT; JPO                        | OR | ON  | 2004/03/15 16:13 |

## EAST Search History

|     |      |                                                                                   |                            |    |     |                  |
|-----|------|-----------------------------------------------------------------------------------|----------------------------|----|-----|------------------|
| S45 | 1    | (pixel and (amorphous near10 conduct\$4)) and (Drain near10 single) and galvanic  | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 16:15 |
| S46 | 0    | (pixel near (amorphous near10 conduct\$4)) and (Drain near10 single) and galvanic | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 16:15 |
| S47 | 80   | (pixel near10 (amorphous)) and (Drain near10 single)                              | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 16:57 |
| S48 | 2    | (pixel near10 (amorphous)) and (Drain near10 single) and galvanic                 | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 16:23 |
| S49 | 0    | (pixel near10 (amorphous adj transparent)) and (Drain near10 single)              | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 16:58 |
| S50 | 1    | (pixel same (amorphous adj transparent)) and (Drain near10 single)                | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:13 |
| S51 | 0    | (pixel near10 (amorphous adj transparent)) and (Drain near10 single)              | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:14 |
| S52 | 1    | (pixel and (amorphous adj transparent)) and (Drain near10 single)                 | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:34 |
| S53 | 41   | (pixel and (amorphous near10 transparent)) and (Drain near10 single)              | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:45 |
| S54 | 4901 | amorphous near10 transparent                                                      | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/08/12 10:58 |
| S55 | 0    | (pixel near10 (amorphous near2 transparent)) and (Drain near10 single)            | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:45 |
| S56 | 196  | amorphous near2 ITO                                                               | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:46 |
| S57 | 76   | (amorphous near2 ITO) and pixel                                                   | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:53 |
| S58 | 1    | "5105291".pn.                                                                     | US-PGPUB;<br>USPAT;<br>JPO | OR | ON  | 2004/03/15 17:53 |
| S59 | 1    | "6682658".pn.                                                                     | USPAT                      | OR | OFF | 2004/08/05 18:04 |
| S60 | 0    | JP2000-095436.ap.                                                                 | JPO                        | OR | OFF | 2004/08/05 18:06 |
| S61 | 0    | JP095436.ap.                                                                      | JPO                        | OR | OFF | 2004/08/05 18:33 |

## EAST Search History

|     |       |                                                                                                                                                                                                                                                                             |                                                         |    |     |                  |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|-----|------------------|
| S62 | 0     | (amorphous polycrystal\$4) near10 thick\$4 near10 galvanic near10 stripper                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/08/05 18:35 |
| S63 | 7     | (pixel near10 (amorphous or polycrystal)) and galvanic                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>JPO                              | OR | ON  | 2004/08/06 09:20 |
| S64 | 7     | (pixel near10 (amorphous or polycrystal)) and galvanic                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/08/06 11:05 |
| S65 | 11    | (amorphous or polycrystal) near10 galvanic                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/08/12 11:41 |
| S66 | 22    | ("3486217"   "4009947"   "4643518"   "4963012"   "4965121"   "5019458"   "5143796"   "5215832"   "5216551"   "5344718"   "5361172"   "5377045"   "5424876"   "5514476"   "5521765"   "5548440"   "5557462"   "5563734"   "5583704"   "5699188"   "5751474"   "5789847").PN. | USPAT                                                   | OR | OFF | 2004/08/06 11:19 |
| S67 | 4     | pixel near10 (amorphous polycrystal\$4) near10 transparent near10 thick\$4                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/08/12 11:00 |
| S68 | 40481 | (material for pixel electrode of LCD and etching method thereof).ti. and (amorphous polycrystal\$4) and thick\$4                                                                                                                                                            | US-PGPUB;<br>USPAT                                      | OR | OFF | 2004/08/12 11:04 |
| S69 | 40    | pixel near10 (amorphous polycrystal\$4) near10 thick\$4                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT                                      | OR | OFF | 2004/08/12 11:05 |
| S70 | 11    | (amorphous or polycrystal) near10 galvanic                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/08/12 11:41 |
| S71 | 4     | ((pixel with (amorphous or polycrystal)) near10 thick\$5) and (thermal\$4 or temperature) and (H2 or hydrogen or H2O or water) and (liquid adj crystal) and pad                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/08/12 12:19 |

## EAST Search History

|     |     |                                                                                                                                                                   |                                                                   |    |    |                  |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S72 | 4   | ((pixel near10 (amorphous or polycrystal)) near10 thick\$5) and (thermal\$4 or temperature) and (H2 or hydrogen or H2O or water) and (liquid adj crystal) and pad | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2004/08/12 12:20 |
| S73 | 81  | ((pixel near10 (amorphous or polycrystal)) and thick\$5) and (thermal\$4 or temperature) and (H2 or hydrogen or H2O or water) and (liquid adj crystal) and pad    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2004/08/12 14:34 |
| S74 | 2   | "6081308".pn.                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2004/08/12 14:38 |
| S75 | 3   | "6337520".pn.                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2004/08/12 14:38 |
| S78 | 2   | "20020085142".pn.                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2004/11/30 14:59 |
| S79 | 656 | amorphous and galvanic                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/01/27 17:13 |
| S80 | 696 | amorphous and galvanic                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/27 17:13 |
| S81 | 126 | amorphous and galvanic and (liquid adj crystal)                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/27 18:00 |
| S82 | 0   | (amorphous near10 galvanic) and (liquid adj crystal)                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/27 17:14 |

## EAST Search History

|     |      |                                                                                                                                    |                                                                   |    |    |                  |
|-----|------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S83 | 0    | (amorphous near20 galvanic) and<br>(liquid adj crystal)                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/27 18:01 |
| S84 | 18   | (amorphous near20 galvanic)                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/27 18:01 |
| S85 | 1751 | 349/43                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:50 |
| S86 | 1056 | 349/143                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:50 |
| S87 | 1025 | 349/187                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:51 |
| S88 | 2909 | pixel with (amorphous or polycrystal)                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:51 |
| S89 | 1446 | (pixel with (amorphous or polycrystal))<br>and thick\$5 and (thermal\$4 or<br>temperature)                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:52 |
| S90 | 821  | (pixel with (amorphous or polycrystal))<br>and thick\$5 and (thermal\$4 or<br>temperature) and (H2 or hydrogen or<br>H2O or water) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:52 |



## EAST Search History

|     |      |                                                                                                                                                            |                                                                   |    |    |                  |
|-----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S91 | 159  | (pixel with (amorphous or polycrystal)) and thick\$5 and (thermal\$4 or temperature) and (H2 or hydrogen or H2O or water) and (liquid adj crystal) and pad | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:53 |
| S92 | 71   | (pixel with (amorphous or polycrystal) with (ITO or IZO))and (liquid adj crystal) and (pixel with thick\$4)                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:54 |
| S93 | 282  | (pixel with (amorphous or polycrystal))and 349/43                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:55 |
| S94 | 40   | (pixel with (amorphous or polycrystal))and 349/187 and thick\$4                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:56 |
| S95 | 68   | (pixel with (amorphous or polycrystal))and 349/143 and thick\$4                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 10:56 |
| S96 | 9488 | galvanic and thick\$5                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 15:27 |
| S97 | 2651 | galvanic same thick\$5                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 15:27 |
| S98 | 6    | (pixel with (amorphous or polycrystal)) and (galvanic same thick\$5)                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2006/03/16 16:43 |

## EAST Search History

|          |     |                                                                          |                                                         |    |    |                  |
|----------|-----|--------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S99      | 668 | (pixel electrode) and (galvanic same thick\$5)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 16:46 |
| S10<br>0 | 63  | (pixel electrode) and (galvanic same thick\$5) and (liquid adj crystal)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 16:46 |
| S10<br>1 | 185 | (pixel electrode) and (galvanic near10 thick\$5)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 16:46 |
| S10<br>2 | 8   | (pixel electrode) and (galvanic near10 thick\$5)and (liquid adj crystal) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 16:47 |
| S10<br>3 | 1   | "20020085142".pn.                                                        | US-PGPUB                                                | OR | ON | 2006/03/29 12:47 |
| S10<br>4 | 1   | "6839114".pn.                                                            | USPAT                                                   | OR | ON | 2006/03/29 12:48 |